

Appl. No. 10/711,192
Amdt. dated June 21, 2006
Reply to Office action of May 12, 2006

Amendments to the Specification:

Please replace paragraph 14 of the specification with the following amended paragraph:

5 For instance, if the BIOS 260 detects that the display is a TV, the BIOS 260 outputs a control signal to the control node 228 of the first switching module 220 and to the control node 218 of the second switching module 21. Therefore, the RGB graphics signal received by the first switching module 220 is transmitted to the input 242 of the graphics transforming module 240
10 through the first output 224 of the first switching module 220. The second switching module 210 outputs the YUV video signal to the second input 254 of the mixing module 250 through the second output 216 of the second switching module 210. The graphics transforming module 240 transforms the RGB graphics signal into a YUV graphics signal and outputs the YUV
15 graphics signal from an output 244 of the graphics transforming module 240 to the first input 252 of the mixing module 250. The mixing unit 255 of the mixing module 250 mixes the YUV graphics signal received by the first input 252 and the YUV video signal received by the second input 254. Finally, the first output 251 of the mixing module 250 outputs a YUV
20 signal generated by the mixing unit 255 to the TV output interface 110. If the BIOS 260 detects that the display is compatible with a computer, i.e. that the display is an LCD, CRT or PDP, the BIOS 260 outputs a control signal to the control node 228 of the first switching module 220 and the control node 218 of the second switching module 210. The YUV video
25 signal received by the second switching module 210 is transmitted to the input 232 of the video transforming module 230 through the first output 214 of the second switching module 210, while the RGB graphics signal received by the first switching module 220 is transmitted to the third input

Appl. No. 10/711,192
Amtd. dated June 21, 2006
Reply to Office action of May 12, 2006

256 of the mixing module 250 through the second output 226 of the first
switching module 220. The video transforming module 230 transforms the
YUV video signal into an RGB video signal and outputs the RGB video
signal from an output 234 of the video transforming module 230 to the
5 fourth input 258 of the mixing module 250. The mixing unit 255 of the
mixing module 250 mixes the RGB graphics signal received by the third
input 256 and the RGB video signal received by the fourth input 258.
Finally, the second output 253 of the mixing module 250 outputs an RGB
signal generated produced by the mixing unit 255 to the LCD output
10 interface 112, CRT output interface 114, or PDP output interface 116.